

FORM PTO 1390 (REV 5-93) US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NUMBER 2004_0861A
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. §371		U.S. APPLICATION NO. (if known; see 37 CFR 1.481) NEW 10/500012
<b>International Application No.</b> PCT/JP02/13436 ✓	<b>International Filing Date</b> December 24, 2002	<b>Priority Date Claimed</b> December 27, 2001 ✓
<b>Title of Invention</b> DIRECTION SENSOR AND ITS PRODUCTION METHOD✓		
<b>Applicant(s) For DO/EO/US</b> Kazuhiro ONAKA		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. §371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. §371.</li> <li>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. §371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. §371(b) and PCT Articles 22 and 39(1).</li> <li>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. §371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. <b>ATTACHMENT A</b></li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. §371(c)(2)). <b>ATTACHMENT B</b></li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19.</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. §371(c)(4)). <b>ATTACHMENT C</b></li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)).</li> </ol>		
<b>Items 11. to 14. below concern other document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <b>ATTACHMENT D</b></li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> </ol>		
<b>ATTACHMENT E</b>		
<ol style="list-style-type: none"> <li>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <b>ATTACHMENT F</b></li> <li><input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</li> </ol>		<small>THE COMMISSIONER IS AUTHORIZED TO CHARGE ANY DEFICIENCY IN THE FEES FOR THIS PAPER TO DEPOSIT ACCOUNT NO. 23-0975</small>
<ol style="list-style-type: none"> <li>14. <input checked="" type="checkbox"/> Other items or information:             <ul style="list-style-type: none"> <li>- Replacement Formal Drawings (6 sheets; Figs. 1A-10B) - <b>ATTACHMENT G</b></li> <li>- Form PCT/IB/304 - <b>ATTACHMENT H</b></li> <li>- Front page of PCT International Publication - <b>ATTACHMENT I</b></li> </ul> </li> </ol>		

U.S. APPLICATION NO. NEW <b>107500012</b>	INTERNATIONAL APPLICATION NO. PCT/JP02/13436	ATTORNEY'S DOCKET NO. 2004_0861A		
15. [X] The following fees are submitted		CALCULATIONS PTO USE ONLY		
<b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):</b>				
Neither international preliminary examination fee nor international search fee paid to USPTO and International Search Report not prepared by the EPO or JPO .....		\$1080.00		
International Search Report has been prepared by the EPO or JPO .....		\$ 920.00		
International preliminary examination fee not paid to USPTO but international search paid to USPTO .....		\$ 770.00		
International preliminary examination fee paid to USPTO but claims did not satisfy provisions of PCT Article 33(1)-(4) .....		\$ 690.00		
International preliminary examination fee paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) .....		\$ 100.00		
		\$920.00		
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$		
Claims	Number Filed	Number Extra	Rate	
Total Claims	17 - 20 =	0	X \$18.00	\$
Independent Claims	2 - 3 =	0	X \$86.00	\$
Multiple dependent claim(s) (if applicable)		+ \$290.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$920.00		
[ ] Small Entity Status is hereby asserted. Above fees are reduced by 1/2.		\$		
<b>SUBTOTAL =</b>		\$920.00		
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		+ \$		
<b>TOTAL NATIONAL FEE =</b>		\$920.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +		\$ 40.00		
<b>TOTAL FEES ENCLOSED =</b>		\$960.00		
		Amount to be refunded	\$	
		Amount to be charged	\$	
<p>a. [X] A check in the amount of <u>\$ 960.00</u> to cover the above fees is enclosed. A duplicate copy of this form is enclosed.</p> <p>b. [ ] Please charge my Deposit Account No. 23-0975 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-0975</u>.</p>				
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>				
19. CORRESPONDENCE ADDRESS  CUSTOMER NO. <b>000513</b>		By: <u>Charles R. Watts</u> Charles R. Watts, Registration No. 33,142  WENDEROTH, LIND & PONACK, L.L.P. 2033 "K" Street, N.W., Suite 800 Washington, D.C. 20006-1021 Phone:(202) 721-8200 Fax:(202) 721-8250  June 23, 2004		

[CHECK NO.] **62493**  
[2004\_0861A]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/500012

DT09 Rec'd PCT/PTO 23 JUN 2004

In re application of

Kazuhiro ONAKA

Serial No. NEW

Filed June 23, 2004

DIRECTION SENSOR AND ITS  
PRODUCTION METHOD  
[Corresponding to PCT/JP02/13436  
Filed December 24, 2002]

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

**SUBMISSION OF REPLACEMENT FORMAL DRAWINGS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Kindly replace the seven (7) original drawing sheets (containing Figs. 1A-10B) with the attached six (6) replacement formal sheets (still containing Figs. 1A-10B).

The changes to the drawings are the following: (1) drawing sheet 7 containing the list of reference numerals has been canceled; (2) the sheet numbers 1/7, 2/7, etc. have been removed from the drawing sheets; and (3) in Fig. 1A, the section line label has been changed from A-A to --1B-1B--; and, in Fig. 10A, the section line label has been changed from "A-A" to --10B-10B-- (corresponding changes have been made in the specification); and (4) Figs. 10A and 10B have been labeled "Prior Art".

Approval and entry of these replacement formal drawings is respectfully requested.

Respectfully submitted,

Kazuhiro ONAKA

By

Charles R. Watts

Charles R. Watts  
Registration No. 33,142  
Attorney for Applicant

CRW/asd  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
June 23, 2004